



Transform GIG Enterprise Management

NetOps

"Providing the RIGHT information to the edge"



Successfully executed, NetOps results in **assured and timely net-centric services across strategic, operational and tactical boundaries** in support of the Department of Defense's (DODs) full spectrum of war fighting, intelligence and business missions.

The Joint Concept of Operations (CONOPS) for Global Information Grid (GIG) NetOps, developed by Joint Task Force for Global Network Operations (JTF-GNO), provides the construct under which USSTRATCOM executes its Unified Command Plan mission. The mission to direct the operations and defense of the GIG strives to deliver assured system and network availability, assured information protection, and assured information delivery.

NetOps is defined as the DOD-wide construct used to operate and defend the GIG to enable Information Superiority. It consists of three essential tasks, situational awareness (SA), and Command and Control (C²) that CDRUSSTRATCOM, in coordination with the NetOps community, employs to achieve the NetOps mission.

The three essential tasks are GIG Enterprise Management (GEM), GIG Network Defense (GND) and GIG Content Management (GCM).

- GEM encompasses the GIG's information technology services management consisting of the many elements and processes needed to communicate across the full spectrum of the GIG.
- GND includes the operational responsibilities for Network Defense and Critical Infrastructure Protection in defense of the GIG.

- The third essential task, GCM, ensures information is available on the GIG.

A significant element of NetOps, SA will improve the quality and timeliness of collaborative decision-making regarding the employment, protection and defense of the GIG. To be useful, much of the SA must be shared in near real-time by the relevant decision-makers.

NetOps not only relies upon the three tasks and SA but an effective C² construct. At this time, technology and operational realities prevent effective operation and defense of the GIG from one centralized headquarters.

Accordingly, USSTRATCOM through JTF-GNO, and the CC/S/As will work closely to effectively operate and defend the GIG. To summarize this relationship, NetOps activities will be executed at the lowest level of command possible. Only when one of the four criteria below are satisfied will JTF-GNO "fight" a NetOps issue at a global level:

- Incident crosses a GCC boundary.
- Incident affects multiple COCOMs.
- Incident impacts other DoD Agencies.
- Incident is beyond GCC capabilities.

To summarize, effective C² should provide for global standardization and effective interdependence throughout the GIG while granting the regional combatant commanders the necessary authority to influence cyberspace operations within their areas of responsibility to meet theater specific objectives.

The JS J6 fully supports the NetOps construct and its continuing evolution to meet operational requirements. **Through effective NetOps, we will meet the goal of *providing the right information to the edge.***

"We need a C2 structure providing global standardization and effective interdependence throughout the GIG while granting the regional combatant commanders the necessary authority to influence cyberspace operations within their areas of responsibility to meet theater specific objectives."

J-6 Strategic Communications Plan, February 2007